I. Navy ODS Advisory 95-01A

II. Subj: Mission-Critical Applications of Class I Ozone-Depleting Substances

III. References: (a) Navy ODS Advisory 95-01, Mission-Critical Applications of Class I Ozone-Depleting Substances dated 02 OCT 95
(b) OPNAVINST 5090.1B, Change 2, Chapter 6, Management of Ozone Depleting Substances dated 09 SEP 99
(c) MIL-STD-1330, Revision D, Change Notice 1, Precision Cleaning and Testing of Shipboard Oxygen, Helium, Helium-Oxygen, and Nitrogen Systems dated 26 FEB 98

IV. Cancellation: This advisory cancels and replaces Reference (a).

V. Applicability: All Navy Operating Forces and all Activities and Facilities Supporting Operational Units

VI. Background:

1. Certain applications of Class I Ozone-Depleting Substances (hereafter referred to as "ODSs") that have a significant impact on the Navy's combat-mission capability have been deemed to be mission-critical. The ODSs in question include halon fire suppressants and chlorofluorocarbon (CFC) refrigerants and solvents. The use of these ODSs in mission-critical applications is authorized to continue so as to not jeopardize or degrade the safety or operational requirements of the Navy. The use shall continue until such time that ODS-based equipment and systems are retired or suitable alternative substances and technologies are implemented.

2. Reference (b) provides Navy policy on mission-critical applications. To ensure that mission-critical requirements for ODSs can be met following the production cessation of ODSs, the Department of Defense (DoD) has established a DoD Reserve of ODSs (hereafter referred to as the DoD ODS Reserve) that may only be accessed for mission-critical applications. The purpose of this advisory is to reiterate the definitions provided in reference (b) and to provide more-detailed guidance.

VII. Action:

A. Mission-Critical Applications:

1. The following is a list of the mission-critical applications that are authorized access to the DoD ODS Reserve:

(a) Shipboard chilled-water air-conditioning systems using CFC-11 (R-11)
(b) Shipboard chilled-water air-conditioning systems using CFC-12 (R-12)
(c) Shipboard chilled-water air-conditioning systems using CFC-114 (R-114)
(d) Ships-stores refrigeration systems using CFC-12 (R-12)
(e) Shipboard cargo-refrigeration systems using CFC-12 (R-12)
(f) Aircraft environmental-control systems: The following is a list of Navy aircraft with mission-critical refrigerant systems:

(1) VH-60N (R-500)
(2) VH-3D, CFC-12 (R-12)
(3) E-2C, CFC-114 (R-114)
(4) TH-57, CFC-12 (R-12)
(5) T-34C, CFC-12 (R-12)
(6) T-44, CFC-12 (R-12)

(7) C-12, CFC-12 (R-12)
(8) ES-3A, CFC-12 (R-12)
(9) NAVFLIR, CFC-114 (R-114)
(10) EC-24A, CFC-12 (R-12)

(g) CFC equipment and systems that are identical to shipboard and aircraft mission-critical equipment used in shore-based training applications to train military personnel in the handling, operation, and maintenance of mission-critical equipment. Examples of this application include the shipboard air-conditioning and refrigeration plants that are installed at Fleet Training Centers. Shore-based training activities and facilities are not authorized to use DoD ODS Reserve material in support of general activity and facility applications such as building air-conditioning systems or chillers.
(h) Halon 1301 used in shipboard room-flooding applications.
(i) Halon 1301 used in aircraft explosion-suppression systems.
(j) Halon 1301 used in aircraft fire-protection systems.
(k) Halon 1301 and Halon 1211 portable fire extinguishers onboard aircraft.
(l) Halon 1211 used in flight-line fire protection.
(m) Halon 1211 used in ship and shore-based crash, fire, and rescue vehicles.
(n) Halon 1211 systems onboard Landing Craft, Air Cushion (LCAC) vehicles.
(o) CFC-113 used in support of certain oxygen system cleaning applications. Reference (c) provides more details on these applications.
(p) CFC-113 used in gyroscope cleaning applications. Alternatives have been developed for the majority of gyroscope cleaning applications. CFC-113 users with gyroscope cleaning applications pending alternatives qualification have established local reserves of material to support the orderly transition to alternatives. Therefore, no material to support gyroscope cleaning has been placed in the DOD ODS Reserve and access to the DOD ODS Reserve for this application is unauthorized.
(q) Shore-based heating, ventilation, air conditioning and refrigeration (HVAC&R) equipment and fire protection systems as approved by the Chief of Naval Operations (CNO) N45.
(r) Small shipboard commercial-galley equipment (such as coolers, ice machines, personal-size refrigerators and water fountains) and low pressure air dehydrators, although non-mission-critical applications, have been authorized to use the DoD ODS Reserve until 31 DEC 2005

B. Non-Mission-Critical Applications:

1. The following is a list of applications that are considered non-mission-critical and are not authorized access to the DoD ODS Reserve:

(a) Shore-based air-conditioning and refrigeration equipment as well as fire protection equipment and systems are considered non-mission-critical. Reference (b) requires all activities and facilities to convert or replace Class I ODS equipment and systems by 31 DEC 2000. Waivers to this policy must be obtained from Chief of Naval Operations (N45) via the chain of command and will be considered on a case-by-case basis.

2. To provide further guidance, the following are examples of applications that are not mission-critical but are often mistaken as mission-critical:

(a) Environmental test chambers utilizing CFC and CFC-based refrigerants (R-502, R-13, R-503, et cetera) that are used for temperature cycling of electronics/avionics, weapon system, and ordnance components are not mission-critical applications.

(b) Air-conditioning and halon equipment and systems installed at shore facilities that maintain aircraft and ships (NADEPs, AIMDs, Shipyards, SIMAs, et cetera) are not mission-critical applications.
(c) Pier-side refrigeration containers used by shipyards for temporary storage of ships stores while a ship is undergoing repair are not mission-critical applications.
(d) Air-conditioning and refrigeration equipment and systems for mobile/transportable shelters, containers, and vehicles are not mission-critical applications.
(e) Air-conditioning and halon equipment and systems installed at shore-based communications and computer facilities are not mission-critical applications.

C. Access To The DoD ODS Reserve:

1. Access by Navy components to the DoD ODS Reserve is restricted by CNO via a list of authorized users. Authorized users are responsible for ensuring that once requisitioned, DoD ODS Reserve material is used only for the above listed mission-critical applications. Navy activities and facilities that serve as retail stock points and provide material to other commands are responsible for ensuring that DoD ODS Reserve material is issued only to authorized users. Authorized users cannot, under any circumstance, divert material ordered from the DoD ODS Reserve to non-mission-critical ODS applications, or transfer DoD ODS Reserve material to non-authorized users.

2. Foreign Military Sale (FMS) customers are not authorized to use the DoD ODS Reserve, nor is any Navy activity that is an authorized user of the DoD ODS Reserve authorized to transfer DoD ODS Reserve material to FMS customers for any reason.

D. Points of Contact:

1. CNO:
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    b. Doug Barylski (Shipboard Halons), NAVSEA 05L4, commercial (703) 602-5552 x306, DSN 332-5552 x306, facsimile (703) 602-5089, barylskidj@ navsea.navy.mil.
    c. Karen Sachs (CFC-113 Solvent), PSNS Code 126.1, commercial (360) 476-7666, DSN 439-7666, facsimile (360) 476-0736, sachsk@psns.navy.mil.
    d. Lisa Johnson (Shipyards and SUPSHIPs), NAVSEA OOT, commercial (301) 744-4320, facsimile (301) 744-4180, johnsonlm@ih.navy.mil.

3. COMNAVSUPSYSCOM:
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4. COMNAVAIRSYSCOM:
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    b. AMH1(AW) John Carver (Fleet Support), NAVAIR 3.6.3.1, commercial (301) 757-3106, DSN 757-3106, facsimile (301) 342-7737, carverjd@navair.navy.mil

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d. Frank Magnifico (Technical Support), NAWCAD Code 4.3.5.3, commercial (732) 323-4282, facsimile (732) 323-4350, magnificofj@navair.navy.mil.

5. COMNAVFACENGCOM:
   a. Felix Mestey, NAVFAC ENQ-FM, commercial (202) 685-9313, DSN 325-5765, facsimile (202) 685-1670, mesteyf@navfac.navy.mil.

6. COMSC:
   a. Joe Bohr, Military Sealift Command Code N72PC, commercial (202) 685-5771, facsimile (202) 685-5224, joseph.bohr@msc.navy.mil.

7. DSCR:
   a. Steve Minus, DSC Richmond, VA, commercial (804) 279-5203, sminus@dscr.dla.mil.

8. Navy Shipboard Environmental Information Clearinghouse:
   a. For general questions on ODSs or to receive information on alternatives to ODSs, contact the Navy Shipboard Environmental Information Clearinghouse, (703) 416-1132, ozone@navyseic.com, http://www.navyseic.com.

J. Incorporation of Advisory:

1. The procedures and guidance outlined in this advisory will be incorporated into future updates to NAVSUP supply procedure instructions.

VIII. Advisories in Effect:

Advisory	Subject	Applicability
95-01	Canceled and Superseded by 95-01A	
95-01A	Mission-Critical Applications of Class I Ozone-Depleting Substances	All Navy Operating Forces and All Activities and Facilities Supporting Operational Units
96-01	Canceled and Superseded by 96-01A	
96-01A	Canceled and Superseded by 96-01B	
96-01B	Canceled and Superseded by 96-01C	
96-01C	Ozone-Depleting Substance (ODS) Supply Support	All Navy Operating Forces, New Ship Construction, and All Activities and Facilities Supporting Operational Units
96-02	Canceled and Superseded by 96-02A	
96-02A	Refrigerant Leak Repair and Record Keeping	All Navy Activities and Facilities Owning Or Operating Air-Conditioning and Refrigeration (AC&R) Units Greater than 50 lbs.
96-03	Canceled and Superseded by 96-03A	
96-03A	Shipboard Refrigerant Leak Repair and Record Keeping	All Navy Ships Operating Refrigerating Units With A Charge Greater Than 50 lbs.